IBM - PCI - WL2

Installation Guide

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Read This First

Before installing the network adapter:

If your OS is Windows NT 4.0, go into the BIOS setup and set PnP OS field to NO.

If your OS is Windows 98 2nd edition, go into the BIOS setup and set PnP OS field to YES.

If your OS is Windows 2000 Professional, go into the BIOS setup and set PnP OS field to YES.

If your OS is Windows NT4.0 and Wake on LAN capability is needed, go into the BIOS setup and enable power-up when a specific command is received by the Network Interface.

For all OS, remove any previously installed network adapter (usually located in slot #5) if it is not needed.

Installing the network adapter in slot #4 is recommended. HP has tested this installation procedure using slot #4.

For advanced users only: In case of resource conflict, you can try to change the resources for the network adapter. To do this, turn the Vectra system power off, remove the network adapter and install it into a different PCI slot.

Connecting to a Novell NetWare 5.1 or 4.11 Server

Microsoft Windows NT 4.0 Workstation

Requirements

Operating System	Windows NT 4.0 Workstation
Driver Version	5.33.00.0040
Driver File	IBMTRP.SYS
Server OS	NetWare 5.1 or 4.11 Server
Client OS	Client v4.80 for Windows NT/2000

Procedure

1. With the HP Vectra turned off, install the network adapter into an available PCI slot.

2. Connect the network cable to the newly installed network adapter.

3. Connect the WOL cable between the network adapter and the PC motherboard.

4. Power on the machine and boot to Windows.

5. Logon to Windows with administrator privileges.

6. Click OK to ignore the warning message indicating a driver failed during system startup. This is caused the removal of the previously installed network adapter. This message should no longer appear after removing the driver from the Network properties.

7. The following steps are based on a subsequent installation of Networking on the system. Adding a network adapter for the first time has some minor differences. Ask your administrator for more information.

8. Open the Network properties windows to remove a previously installed network adapter and to add a new one.

9. Click on the "Adapters" tab and highlight the network adapter you want removed then click on the "Remove" button.

10. Click on the "Adapters" tab then on the "Add" button.

11. Insert the driver disk and click on "Have Disk".

12. Type in the location of the drivers and click on "OK".

13. With "IBM Token-Ring PCI Family Adapter" highlighted, click on "OK".

14. Additional changes in the network properties, such as: workgroup name, computer name, TCP/IP properties, etc. may be necessary. Ask your Network Administrator for more information.

15. Click on "Close" to complete the installation.

16. Remove the driver disk and click on "Yes" when prompted to restart your computer.

17. Logon to Windows with administrator privileges.

18. From the location of the "Novell Client v4.80 for Windows NT/2000" installation files, execute "SETUPNW.EXE".

19. Select either "Typical" or "Custom" and click on "Install". Typical Installation is normally chosen. Select Custom Installation only if you are an administrator or an advanced user. When prompted for options during installation, ask your Network Administrator for more information.

20. Click on "Yes" to agree with the Novell Terms and Conditions to proceed with the installation.

21. Click on "Reboot" to restart the system once the installation is complete.

22. Logon to Windows with administrator privileges and re-install the current service pack.

Connecting to a Microsoft Windows 2000 Advanced or NT 4.0 Server

Microsoft Windows NT 4.0 Workstation

Requirements

Operating System	Windows NT 4.0 Workstation
Driver Version	5.33.00.0040
Driver File	IBMTRP.SYS
Server OS	Windows 2000 Advanced or NT 4.0 Server
Client OS	Microsoft

Procedure

1. With the HP Vectra turned off, install the network adapter into an available PCI slot.

2. Connect the network cable to the newly installed network adapter.

3. Connect the WOL cable between the network adapter and the PC motherboard.

4. Power on the machine and boot to Windows.

5. Logon to Windows with administrator privileges.

6. Click OK to ignore the warning message indicating a driver failed during system startup. This is caused the removal of the previously installed network adapter. This message should no longer appear after removing the driver from the Network properties.

7. The following steps are based on a subsequent installation of Networking on the system. Adding a network adapter for the first time has some minor differences. Ask your administrator for more information.

8. Open the Network properties windows to remove a previously installed network adapter and to add a new one.

9. Click on the "Adapters" tab and highlight the network adapter you want removed then click on the "Remove" button.

10. Click on the "Adapters" tab then on the "Add" button.

11. Insert the driver disk and click on "Have Disk".

12. Type in the location of the drivers and click on "OK".

13. With "IBM Token-Ring PCI Family Adapter" highlighted, click on "OK".

14. Additional changes in the network properties, such as: workgroup name, computer name, TCP/IP properties, etc. may be necessary. Ask your Network Administrator for more information.

15. Click on "Close" to complete the installation.

16. Remove the driver disk and click on "Yes" when prompted to restart your computer.

17. Logon to Windows with administrator privileges and re-install the current service pack.

Connecting to a Novell NetWare 5.1 or 4.11 Server

Microsoft Windows 98 2nd edition

Requirements

Operating System	Windows 98 2nd edition
Driver Version	5.33.00.0050
Driver File	IBMTRP5.SYS
Server OS	NetWare 5.1 or 4.11 Server
Client OS	Client v3.30 for Windows 95/98

Procedure

1. With the HP Vectra turned off, install the network adapter into an available PCI slot.

2. Connect the network cable to the newly installed network adapter.

3. Connect the WOL cable between the network adapter and the PC motherboard.

4. Power on the machine and boot to Windows.

5. Windows will detect the network adapter as "IBM PCI Token-Ring Adapter, NDIS4".

6. Insert the driver disk and click on "Next" to continue the installation.

7. Accept the default selection: "Search for the best driver for your device (Recommended)." and click "Next".

8. Select the locations Windows will search for drivers. Accept the default selection: "Floppy disk drives" and click "Next".

9. Accept "The updated driver (Recommended)…" by clicking on "Next".

10. Click on "Next" to install the driver.

11. Click on "Finish" when the driver installation is complete.

12. Remove the driver disk and click on "Yes" when prompted to restart the system.

13. Additional changes in the Network properties, such as: workgroup name, computer name, TCP/IP properties, etc. may be necessary. Ask your Network Administrator for more information. After changes are made, a restart will be necessary.

14. From the location of the "Novell Client v3.30 for Windows 95/98" installation files, execute "Setup.exe".

15. Click on "Yes" to accept the "Novell Terms and Conditions".

16. Select either "Typical" or "Custom" and click on "Install". Typical Installation is normally chosen. Select Custom Installation only if you are an administrator or an advanced user. When prompted for options during installation, ask your Network Administrator for more information.

17. Click on "Reboot" once the Novell client installation is complete.

Known Problems

Problem1

There is an issue with waking up the system. Currently there is no resolution to the problem. However, the problem can be prevented by not placing the system on Stand by. Also, the Power Management properties' "Turn off monitor:" and "System standby:" settings must be set to "Never".

Connecting to a Microsoft Windows 2000 Advanced or NT 4.0 Server

Microsoft Windows 98 2nd edition

Requirements

Operating System	Windows 98 2nd edition
Driver Version	5.33.00.0050
Driver File	IBMTRP5.SYS
Server OS	Windows 2000 Advanced or NT 4.0 Server
Client OS	Microsoft

Procedure

1. With the HP Vectra turned off, install the network adapter into an available PCI slot.

2. Connect the network cable to the newly installed network adapter.

3. Connect the WOL cable between the network adapter and the PC motherboard.

4. Power on the machine and boot to Windows.

5. Windows will detect the network adapter as "IBM PCI Token-Ring Adapter, NDIS4".

6. Insert the driver disk and click on "Next" to continue the installation.

7. Accept the default selection: "Search for the best driver for your device (Recommended)." and click "Next".

8. Select the locations Windows will search for drivers. Accept the default selection: "Floppy disk drives" and click "Next".

9. Accept "The updated driver (Recommended)…" by clicking on "Next".

10. Click on "Next" to install the driver.

11. Click on "Finish" when the driver installation is complete.

12. Remove the driver disk and click on "Yes" when prompted to restart the system.

13. Additional changes in the Network properties, such as: workgroup name, computer name, TCP/IP properties, etc. may be necessary. Ask your Network Administrator for more information. After changes are made, a restart will be necessary.

Known Problems

Problem1

There is an issue with waking up the system. Currently there is no resolution to the problem. However, the problem can be prevented by not placing the system on Stand by. Also, the Power Management properties' "Turn off monitor:" and "System standby:" settings must be set to "Never".

Connecting to a Novell NetWare 5.1 or 4.11 Server

Microsoft Windows 2000 Professional

Requirements

Operating System	Windows 2000 Professional
Driver Version	5.22.03.0050 (Embedded in OS)
Driver File	IBMTRP.SYS
Server OS	NetWare 5.1 or 4.11 Server
Client OS	Client v4.80 for Windows NT/2000

Procedure

1. With the HP Vectra turned off, install the network adapter into an available PCI slot.

2. Connect the network cable to the newly installed network adapter.

3. Connect the WOL cable between the network adapter and the PC motherboard.

4. Power on the machine and boot to Windows.

5. Logon to Windows with administrator privileges.

6. Windows will silently detect (i.e. without any messages or prompts) the network adapter as "IBM 16/4 Token-Ring PCI Adapter 2 with Wake on LAN" during start up and automatically install its embedded driver.

7. From the Device Manager, under Network adapters, double-click on "IBM 16/4 Token-Ring PCI Adapter 2 with Wake on LAN" to open its Properties window. Click on the "Power Management" tab and check "Allow this device to bring the computer out of standby".

8. Additional changes in the System or Local Area Connection properties, such as: workgroup name, computer name, TCP/IP properties, etc. may be necessary. Ask your Network Administrator for more information. After changes are made, a restart may be necessary.

9. From the location of the "Novell Client v4.80 for Windows NT/2000" installation files, execute "SETUPNW.EXE".

10. Click on "Yes" to accept the "Novell Terms and Conditions".

11. Select either "Typical" or "Custom" and click on "Install". Typical Installation is normally chosen. Select Custom Installation only if you are an administrator or an advanced user. When prompted for options during installation, ask your Network Administrator for more information.

12. Click on "Reboot" once the installation is complete.

Known Problems

Problem1

When the system wakes up from standby, the monitor does not turn back on.   As a workaround the problem, after the computer wakes up from Standby, move the mouse or press a key on the keyboard to get a display from the monitor.

Connecting to a Microsoft Windows 2000 Advanced or NT 4.0 Server

Microsoft Windows 2000 Professional

Requirements

Operating System	Windows 2000 Professional
Driver Version	5.22.03.0050 (Embedded in OS)
Driver File	IBMTRP.SYS
Server OS	Windows 2000 Advanced or NT 4.0 Server
Client OS	Microsoft

Procedure

1. With the HP Vectra turned off, install the network adapter into an available PCI slot.

2. Connect the network cable to the newly installed network adapter.

3. Connect the WOL cable between the network adapter and the PC motherboard.

4. Power on the machine and boot to Windows.

5. Logon to Windows with administrator privileges.

6. Windows will silently detect (i.e. without any messages or prompts) the network adapter as "IBM 16/4 Token-Ring PCI Adapter 2 with Wake on LAN" during start up and automatically install its embedded driver.

7. From the Device Manager, under Network adapters, double-click on "IBM 16/4 Token-Ring PCI Adapter 2 with Wake on LAN" to open its Properties window. Click on the "Power Management" tab and check "Allow this device to bring the computer out of standby".

8. Additional changes in the System or Local Area Connection properties, such as: workgroup name, computer name, TCP/IP properties, etc. may be necessary. Ask your Network Administrator for more information. After changes are made, a restart may be necessary.

Known Problems

Problem1

When the system wakes up from standby, the monitor does not turn back on. As a workaround the problem, after the computer wakes up from Standby, move the mouse or press a key on the keyboard to get a display from the monitor.